

IN THE CLAIMS

Please cancel original claims 4, 5, 9 to 12 and 15 to 57 in the parent application.

Please amend claims 2, 6 to 8, 13 and 14 as follows:

1. (ORIGINAL) A golf ball comprising:

a core having a Riehle compression of at least 75; and

a layer disposed about said core, said layer having a Shore D hardness of at least about 65, said layer including at least one region of weighting material, and at least one other region of layer material less dense than said weighting material.

2. (CURRENTLY AMENDED) The golf ball of claim 1 wherein said weighting material comprises at least one of metal, metal powders, carbonaceous materials, glass, high strength polyamide fibers, and combinations thereof.

3. (ORIGINAL) The golf ball of claim 1 wherein said core has a Riehle compression of from about 75 to about 115.

4. (CANCELED)

5. (CANCELED)

6. (CURRENTLY AMENDED) The golf ball of claim ~~5~~ 2 wherein said metal powders are selected from the group consisting of bismuth powder, boron powder, brass powder, bronze powder, cobalt powder, copper powder, inconel metal powder, iron metal powder, molybdenum powder, nickel powder, stainless steel powder, titanium metal powder, zirconium oxide powder, aluminum flakes, aluminum tadpoles, and combinations thereof.

7. (CURRENTLY AMENDED) The golf ball of claim ~~5~~ 2 wherein said carbonaceous materials are selected from the group consisting of graphite, carbon black, cotton flock, leather fiber, and combinations thereof.

8. (CURRENTLY AMENDED) The golf ball of ~~claim 4~~ claim 1 wherein said weighting material ranges in size from about 10 mesh to about 325 mesh.

9. (CANCELED)

10. (CANCELED)

11. (CANCELED)

12. (CANCELED)

13. (CURRENTLY AMENDED) The golf ball of ~~claim 4~~ claim 1 wherein said weighting material comprises a metal oxide selected from the group consisting of zinc oxide, iron oxide, aluminum oxide, titanium dioxide, magnesium oxide, zirconium oxide, and combinations thereof.

14. (CURRENTLY AMENDED) The golf ball of ~~claim 4~~ claim 1 wherein said weighting material comprises a metal stearate selected from the group consisting of zinc stearate, calcium stearate, barium stearate, lithium stearate, magnesium stearate, and combinations thereof.

15-57. (CANCELED)

Please add new claims 58 to 69 as follows:

58. (NEW) The golf ball of claim 2 wherein said metal is selected from the group consisting of titanium, tungsten, aluminum, bismuth, nickel, molybdenum, iron, copper, brass, boron, bronze, cobalt, beryllium, zinc, tin and combinations thereof.

59. (NEW) The golf ball of claim 1 wherein the amount of said weighting material in said layer disposed about said core ranges from about 1 to about 100 parts per 100 parts of material forming said layer disposed about said core.

60. (NEW) The golf ball of claim 1 wherein said layer disposed about said core is comprised of at least one high acid ionomer resin comprising a copolymer of about 17% to about 25% by weight of an alpha, beta-unsaturated carboxylic acid, and an alpha olefin of which about 10 to about 90% of the carboxyl groups of the copolymer are neutralized with a metal cation.

61. (NEW) The golf ball of claim 1 wherein said golf ball has a diameter of about 1.680 to 1.800 inches.

62. (NEW) A multi-layer golf ball having an increased moment of inertia, said golf ball comprising: ✓

a core having a Riehle compression of from about 75 to about 115;

an inner layer disposed about said core;

an outer layer disposed about said inner layer, said outer layer having a Shore D hardness of at least about 65;

an effective amount of a weighting material disposed in at least one of said inner layer and said outer layer; and

at least one discrete region of a weighting material disposed in said outer layer,

wherein said at least one discrete region of weighting material is in the form of a perimeter weighting pattern selected from the group consisting of a visible star-shaped perimeter weighting pattern, a visible contour-shaped perimeter weighting pattern, a visible pentagon-shaped perimeter weighting pattern, a visible radiused pentagon-shaped perimeter weighting pattern, a visible single stripe-shaped perimeter weighting pattern, a double stripe-shaped perimeter weighting pattern, a multi-stripe-shaped perimeter weighting pattern, a stripe and dimple-shaped perimeter weighting pattern, a ring-shaped perimeter weighting pattern, and a spiral-shaped perimeter weighting pattern.

63. (NEW) The golf ball of claim 62 wherein said core has a Riehle compression of 80 to 90, and a diameter of about 1.540 to about 1.545 inches.

64. (NEW) The golf ball of claim 62 wherein said golf ball has a diameter of about 1.70 to about 1.80 inches.

65. (NEW) The golf ball of claim 1 wherein said core has a Riehle compression of 80 to 90, and a diameter of about 1.540 to about 1.545 inches.

66. (NEW) The golf ball of claim 61 wherein said golf ball has a diameter of about 1.70 to about 1.80 inches.

67. (NEW) The golf ball of claim 62 wherein the amount of said weighting material in said layer disposed about said core ranges from about 1 to about 100 parts per 100 parts of material forming said layer disposed about said core.

68. (NEW) The golf ball of claim 62 wherein said layer disposed about said core is comprised of at least one high acid ionomer resin comprising a copolymer of about 17% to about 25% by weight of an alpha, beta-unsaturated carboxylic acid, and an alpha olefin of which about 10 to about 90% of the carboxyl groups of the copolymer are neutralized with a metal cation.

69. (NEW) The golf ball of claim 62 wherein said weighting material comprises at least one of metal, metal powders, carbonaceous materials, glass, high strength polyamide fibers, and combinations thereof.